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1949-50

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File No. 677/48

P.W. DEPARTMENT

El. BRANCH

D CLASS

Subject:— Electric Power.
Generation of —
for irrigation schemes
Kolhar.

13 [12] 1950

IV

File No. 677/48 - El (2)

Ltd. Scott. Slip. 94 A

No. Of 1948-49.
Office of the Dist:Local Board,
Bijapur.24th.March.49.

To.

The Chairman,
Rural Development Board,Bijapur.

Subject:-Irrigation schemes near Kolhar.
Generation of Electric power for.

I visited the completed lift irrigation projec at Korti and the lift irrigation projects under construct -ion near Sonna, Rolli and Dudihal as advised by Mr. Shidi -ti in the preceeding meeting of the Executive Committee. From the inspection of the Engine House and the foundatio of the Engine at Korti, I could find that the walls of th Engine House have unevenly settled and wide cracks have - developed in the walls.The pavement of the Engine House - has also unequally settled. I could learn that up till no only one Engine out of the two has been worked.If both th Engines are made to work simultaneously, I think the build -ing will be pulled down within a couple of years and the Engine foundations will be so affected as not to safely - work both the engines on account of the shocks transmitte by them. The cracks in the walls and the flooring on acco of unequal settlement is due to defective design of found or due defective execution is a matter to be investigated by a technical expert; but it is a fact that an enormous amoun has been spent to construct these structures which are in an unsound condition within a couple of years of their com -pletion, This means that they will have to be set right rebuilt on safer founds involving investment.This recurri expenditure will naturally make the economy of lift irrig -tion unsound and in addition the water charges will have be increased which reduces the area under irrigation as t additional amount to be borne by the agriculturists will be commensurate with the yield. Similar will be the case perhaps with the other projects under construction.

2. Therefore I have to suggest that a power house should be erected near the Inspection Bungalow at Koll

where good founds at a low depths can be had with a capacity to generate about 400-KW; of energy. This energy can be trans-mitted to all projects mentioned above by over-head trans-mission system to be utilised to lift the water. Besides this the power generated can be utilised for lifting the neigh-bouring 1/2 Dozen villages or in the course of time this energy can be utilised on the various small industries such as commercial, fruit culture, preservation of vegetables etc., which the Government is keen on introducing with a view to make the agricultural economy stable.

3. The valley on the North-Western side of Kolhar in which villages; Jainapur, Bellubbi and Kambagi etc, are situ-ated is not served by the present lift irrigation schemes. Irrigational facilities to this area also can be extended - which will help raising more than one crop in a year by - supplying a few Kwts, of energy from this proposed Generat-ing station at Kolhar to work directly coupled pumps of - individual owners.

4. Further, if there be any surplus energy left over, it can be supplied to the field owners adjoining Hallad-Gennu Nalla which is a perenniel one and also to the nearby vill-es; viz: Harasangi, Asangi, Ronihal and Rupagaddi etc, which are full of garden lands. If cheap electric power is made a-lable to this area to lift the water for irrigating the - lands, I am sure that all agriculturists will become irrig-tion-minded and produce more food which then alone will be a paying industry.

5. The area between Kolhar and Telgi is taken up for the development of cottage industries under the Rural Devel-ment scheme. The electrical energy generated at Kolhar can be conveyed to this area and utilised for developing small industrial ventures and for lighting purposes also.

6. This proposal is made as the constructional costs and establishment charges of the projects under construct will not only be heavy but will not serve the other areas mentioned above to be irrigated and developed industri

This will also do away with the unsound foundations for the Engine house and the engine which may not stand the vibration-al effect of the Engines as they will have to be founded in deep black soil of the river bank.

7. There is a pucca road from Kolhar to Belgi station which will be useful through-out the year to facilitate time-ly supply of fuel-oil, lubricants and other equipments requi-red for the generating station.

Hence the subject may please be placed before the Rural Development Board for their consideration. I think it is worth-while to entrust the preparation of the scheme to an expert.

24-3-49 P.G.Kulkarni

President, D.L.Board, Bijapur.

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Extract of Resolution VI of the proceedings of the meeting of the Executive Committee of the D.R.D.B. Bijapur held on 24=3-1949.

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VI. To consider the schemes for generation of electric power for irrigation near Kolhar.

The Committee approved of the report prepared by Messers. Sugandhi & Sidhanti together with a map for - - - installation of an electric grid at Kolhar on the bank of the river Krishna to su ply electricity for irrigation purposes and also for cottage industries. It was resolved that Govt. should be requested to bring this scheme into effect as early as possible.

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No.R.D.B./I.R.R.-695 Bijapur, 4-4-1949.

A... DEPARTMENT
... O
Date ... APR 1949
Serial No. F 18373
(30)

Forwarded with compliments to the Secretary, to Govt. Agrl. and Rural Development Dept.Bombay, for necessary action

2. The scheme with plan prepared by Messers.Sugandhi and Sidhanti ~~are~~ is enclosed.

Collector & Chairman,
D.R.D.Board, Bijapur.

ARDD

The proposal is for the PWD (Electric Grid) to consider and the papers may be transferred to their Dept. after wor

11.4.49.

12 April 49

A.R.D.D. 0/18373F.
24932

10

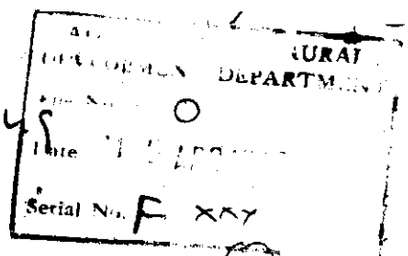
El. Br. P.W.D. El-27/4

Returned to the A.R.D.D.
with an intimation that
the proposed transfer is
accepted.

677/48
28/32

18/4/49 18/4/49

A.R.D. Dehli dt 18.4.49



(16)

No: 8/18373-7
Agriculture & Rural Development Department.
Bombay Castle 22nd April 1949.

Transferred to the Public Works Department
accordingly

By order of the Governor of Bombay

Assistant Secretary to Government.

El 13/4

26/4/49
21

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A.R.D.D. 0/18373F
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El. Br. P.W.D.

The Collr & Chairman, D.R.D. Board, Bijapur forwards + for necessary action a scheme prepared by Messrs Sugandhi & Sidhanti for an electric grid at Kolar on the banks of the river Krishna for the supply of electricity for irrigation and cottage industries. It may be stated that no. of the El. Commr for remarks.

9/5/49

+ p. 8 + cs

9/5/49

9/5/49

No. to El. Commr, 10.5.49

OFFICE OF THE
ELECTRICAL COMMISSIONER WITH
THE GOVERNMENT OF BOMBAY
Inward No. 11059
Date 10/5

Below P.W.D.U.O.R.No.677/48/28132,
dated 10-5-1949.

Electric Grid Offices.

The delay in disposal of this case is due to the fact that in order to study the proposals in detail certain additional information was called for from the promoters of the electrification scheme but it was not received at all from them inspite of several reminders. Ultimately the information was collected by my staff who was sent to the area concerned to study the situation.

From the information obtained it appears that there are four Government minor irrigation schemes namely at Korti, Ballanti, Somna and Rolli respectively, one at Korti being in operation since 1940 while the other three now under construction are expected to be put into operation in a few months. The study of the load potential in this area has revealed that except for the above four irrigation pumps there is little prospect of load development in this area. The proposed powerhouse would mainly be for catering the above irrigation pumps and its installation at this stage will involve extra capital expenditure. It is therefore considered that the proposed scheme is not an economic proposition and therefore is not recommended.

W. D.
No 677/48
Serial No. 26553

The Secy. to Govt.,
P.W.D., Bombay.

U.O.R.No. P3C-BR-1101/5548.

Bombay 1: March, 1950.

k.30.3.

E.I.Br.(1)

677/48/26553

P.W.D.

Submitted with reference to o.n. at p.11 the 9-5-49

2. In view of the circumstances stated by the Elect. Commr., the Collector and Chairman D.R.D. Board, Bijapur, may be informed as per draft at p.17 put up for approval.

22/4/50

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D.S.

D.S. 27/4

Letter

17

No. 677/48-E.L(1).

P.W.D.

B.C. (Bombay, no 1)

29th April 1950.

To,

The Collector and Chairman,

D.R.D. Board, Bijapur

Subject: Generation of Electric power for Irrigation Schemes near Kolhar.

Reference: Your endt. no R.D.B/I.RR.-695, dated the 4-4-49 to the ~~Hon'ble~~ Agrl. and Rural Development Deptt, Bombay, on the above subject.

2. A copy of the Elect. Commr's report on the investigation in the matter, is enclosed. It will be seen therefrom that the scheme is not an economic proposition and cannot therefore be taken up.

By order of the Govt of B.

D.A -
Copy of El Commr's report.

Dy. Secy to the Govt of B'bay

Copy for information to,

The Elect. Commr. with the Govt. of B'bay, with reference to his u.o.r no. P.3 C-BIR-1101/5548, dt the 1-4-50.

ISSUED
on. 1/5/50
21/4/50